

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 970 ft. Lat: 42.3997° N Lon: 89.9903° W

Station: STOCKTON 3 NNE, IL US USC00118293

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std Dev	Long Term Min Std Dev	Long Term Avg Std Dev	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
01	27.8	12.1	20.0	4.8	6.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	1086.4	1148.3	1241.3	1396.4	0.0	0.0	1.0	20.1	29.7	7.3
02	32.1	15.8	24.0	6.0	7.2	6.5	0.0	0.0	0.0	0.0	0.0	0.0	869.3	925.2	1009.2	1149.3	0.0	0.0	1.5	14.2	26.1	4.3
03	45.1	26.8	35.9	5.2	4.7	4.8	9.0	6.4	3.5	0.7	0.0	0.0	599.6	659.0	749.2	901.3	0.0	0.0	10.0	4.4	22.6	0.6
04	58.9	37.0	48.0	4.1	3.1	3.4	40.8	29.0	16.1	4.7	0.7	0.2	252.3	300.5	377.5	516.2	0.0	0.0	23.5	0.3	8.6	0.0
05	70.8	48.9	59.9	3.5	3.1	3.1	200.4	160.4	109.4	50.4	17.4	9.9	50.1	72.1	114.2	210.1	0.0	0.7	30.4	0.0	0.6	0.0
06	79.3	58.7	69.0	2.1	2.0	1.8	421.5	363.4	278.7	153.0	63.7	39.3	1.6	3.5	8.9	33.1	0.0	1.9	30.0	0.0	0.0	0.0
07	81.7	61.3	71.5	3.2	2.7	2.9	511.5	449.5	357.2	210.7	94.2	60.6	0.0	0.1	0.8	9.2	0.0	2.8	31.0	0.0	0.0	0.0
08	80.0	59.1	69.6	2.5	2.8	2.5	451.1	389.5	298.8	160.4	60.8	35.7	0.1	0.5	2.8	19.4	0.0	1.5	31.0	0.0	0.0	0.0
09	74.2	51.2	62.7	3.2	2.9	2.7	254.4	207.1	144.1	65.5	21.2	11.7	23.5	36.2	63.2	134.5	0.0	0.7	29.9	0.0	0.4	0.0
10	61.5	40.2	50.8	3.4	2.7	2.7	64.4	46.3	25.9	7.9	2.0	1.1	193.0	237.0	309.6	446.6	0.0	0.0	26.6	0.0	6.8	0.0
11	45.8	28.9	37.4	5.9	4.3	5.0	5.6	3.3	1.2	0.1	0.0	0.0	535.1	592.8	680.7	829.6	0.0	0.0	11.0	4.0	19.6	0.1
12	33.0	18.1	25.5	5.2	5.8	5.4	0.2	0.1	0.0	0.0	0.0	0.0	913.1	974.9	1067.8	1222.8	0.0	0.0	1.7	14.2	28.4	3.2
Summary	57.5	38.2	47.9	4.1	3.9	3.8	1959	1655	1235	653	260	158	4524	4950	5625	6869	0.0	7.6	227.6	57.2	142.8	15.5

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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Precipitation (in.)									
	Totals	Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount			
	Means	Daily Precipitation				Monthly Precipitation vs. Probability Levels			
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75	
01	1.17	8.7	3.4	0.3	0.0	0.68	1.07	1.49	
02	1.52	8.2	3.7	0.8	0.2	0.69	1.20	2.16	
03	2.20	9.7	5.1	1.2	0.4	0.94	1.60	2.93	
04	3.93	11.7	7.4	2.5	0.9	2.46	3.93	4.94	
05	4.13	12.7	8.1	2.8	0.9	2.63	3.51	5.40	
06	5.72	11.8	8.1	3.6	1.8	4.24	5.93	6.85	
07	4.50	9.3	6.1	2.8	1.2	2.90	3.92	5.00	
08	4.16	9.7	6.4	2.7	1.1	2.49	3.35	5.34	
09	4.22	9.1	6.1	2.6	1.5	2.14	3.85	4.92	
10	3.10	9.4	5.7	2.0	0.9	1.68	2.81	3.96	
11	2.32	8.5	4.8	1.7	0.5	1.15	1.87	3.03	
12	1.69	9.6	4.2	0.9	0.2	1.08	1.26	2.17	
Summary	38.66	118.4	69.1	23.9	9.6	23.08	34.30	48.19	

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Snow (in.)													
	Totals	Mean Number of Days									Snow Probabilities Probability that snow will be equal to or less than the indicated amount		
	Means	Snowfall >= Thresholds					Snow Depth >= Thresholds				Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution.		
Month	Snowfall Mean	0.01	1.0	3.0	5.00	10.00	1	3	5	10	.25	.50	.75
01	10.70	6.6	3.5	1.3	0.4	0.0	20.8	15.0	9.4	2.5	5.20	11.30	15.10
02	8.10	5.6	2.9	0.9	0.3	0.1	15.9	12.1	8.5	2.5	3.10	7.10	13.20
03	4.90	3.2	1.5	0.6	0.2	0.0	5.9	3.3	1.9	0.3	2.30	4.00	6.60
04	1.30	0.9	0.4	0.1	0.0	0.0	0.6	0.1	0.0	0.0	0.00	0.00	2.30
05	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
06	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	0.50	0.3	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.00	0.00	0.00
11	2.10	1.6	0.8	0.3	0.1	0.0	2.0	0.8	0.2	0.0	0.10	1.00	3.30
12	8.00	5.8	3.0	1.3	0.4	0.0	12.8	9.0	6.6	1.8	3.00	6.00	12.10
Summary	35.7	24.0	12.2	4.6	1.4	0.1	58.1	40.4	26.6	7.1	13.7	29.4	52.6

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	2.5	8.9	79.3	270.1	615.5	869.7	976.3	915.9	681.0	351.2	89.4	10.0
45	0.2	2.9	40.6	162.3	463.4	719.8	821.4	760.9	532.4	227.1	43.1	3.3
50	0.0	0.6	19.4	86.2	321.2	570.0	666.4	606.0	387.4	131.0	17.1	1.2
55	0.0	0.0	9.0	40.8	200.4	421.5	511.5	451.1	254.4	64.4	5.6	0.2
60	0.0	0.0	3.5	16.1	109.4	278.7	357.2	298.8	144.1	25.9	1.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	1.2	4.9	49.3	163.0	368.6	568.0	656.2	604.0	422.3	202.5	48.1	4.5
Growing Degree Units (Accumulated Monthly)												
40	2	11	91	361	976	1846	2822	3738	4419	4770	4860	4870
45	0	3	44	206	669	1389	2211	2972	3504	3731	3774	3777
50	0	1	20	106	427	997	1664	2270	2657	2788	2805	2806
55	0	0	9	50	250	672	1183	1634	1889	1953	1959	1959
60	0	0	4	20	129	408	765	1064	1208	1234	1235	1235
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	6	55	218	587	1155	1811	2415	2838	3040	3088	3093

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
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